

PSILOCLADA MAJOR (SCHUST.) ENGEL, COMB. NOV. (HEPATICAEE)
FROM NEW ZEALAND

John J. Engel
Field Museum of Natural History
Chicago, Illinois 60605

I have seen several New Zealand collections of Psiloclada clandestina subsp. clandestina fo. major Schust. and compared them with other collections of the Psiloclada clandestina complex in New Zealand and find that fo. major deserves a higher rank:

Psiloclada major (Schust.) Engel, comb. nov.

Basionym: Psiloclada clandestina subsp. clandestina fo. major Schust., J. Hattori Bot. Lab. 48: 411. 1980. Type: New Zealand: South Island, Westland, Haast Pass, Schuster 59641.

The differences in lobe number cited in Schuster (1980) are constant, and P. major and P. clandestina differ also in vigor. The two taxa are surely distinct at the species level. The New Zealand taxa may be separated as follows:

Key to the New Zealand Species of Psiloclada

1. Leaves of main stems 5-7-lobed; underleaves 3-4-lobed; plants filamentous, threadlike in aspect. P. clandestina
1. Leaves on main stems 7-9(-10)-lobed; underleaves 5-6(-8)-lobed; plants vigorous, leafy in aspect. P. major

Selected specimens seen: NEW ZEALAND. SOUTH ISLAND. OTAGO: Trail between Gunn's Hut and Hidden Falls, ca. 30 m. SE of Lake McKerrow, Hatcher 584 (F, UWM); head of Lake McKerrow, Hatcher 1419 (F, UWM); N. of McKerrow River, Martin's Bay, Hatcher 1000 (F, UWM). WESTLAND: Westland Natl. Park, edge of Lake Wombat, Engel 6669A (MSC); Camp Creek, W. of Alexander Range, 630-1040 m., Reif C91H, C124K, C259D (F). NELSON: Paparoa Range, upper slopes of N. side of Tiropahi or Four Mile River between sea and Route 6, S. of Charleston, 130-170 m., Engel 19243 (F).

Literature Cited

Schuster, R. M., 1980. Studies on Hepaticae, LIV-LVIII. Kurzia v. Mart. [Microlepidozia (Spr.) Joerg.], Megalembidium Schust., Psiloclada Mitt., Drucella Hodgs. and Isolembidium Schust. J. Hattori Bot. Lab. 48: 337-421.